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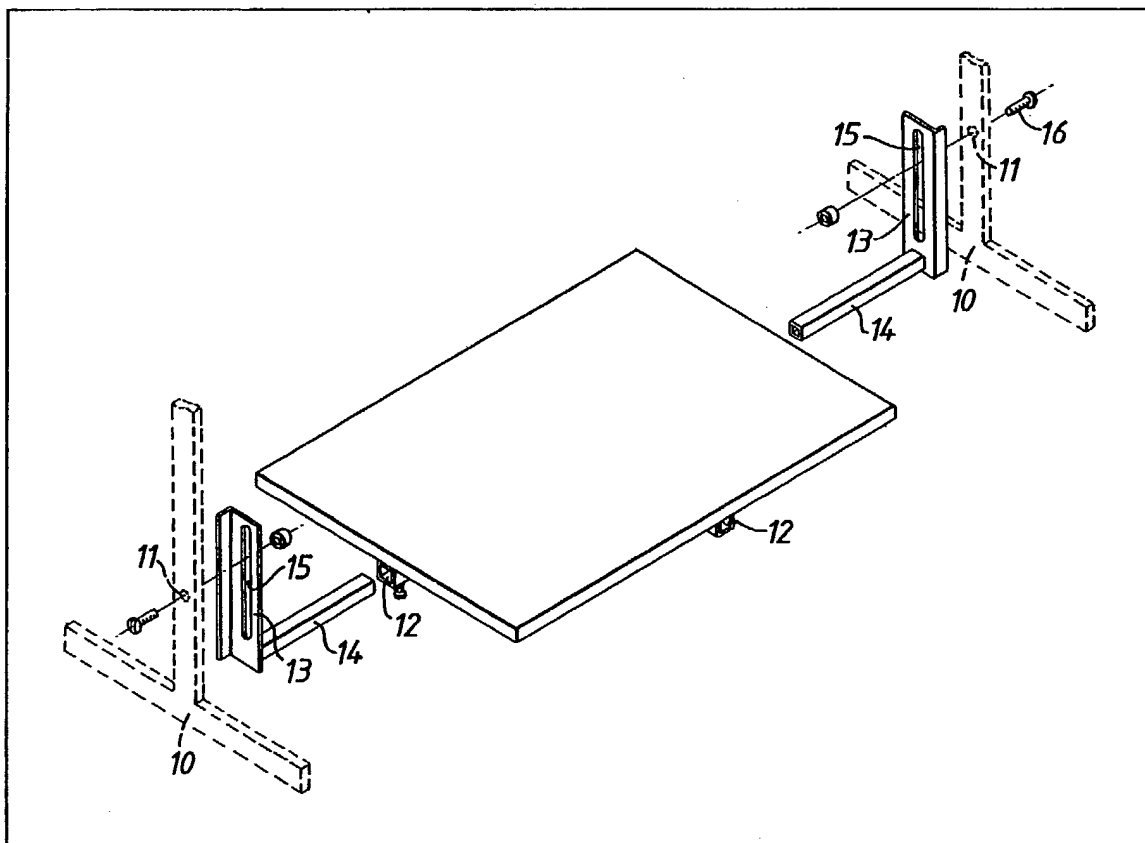
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(54) An adjustable shelf unit

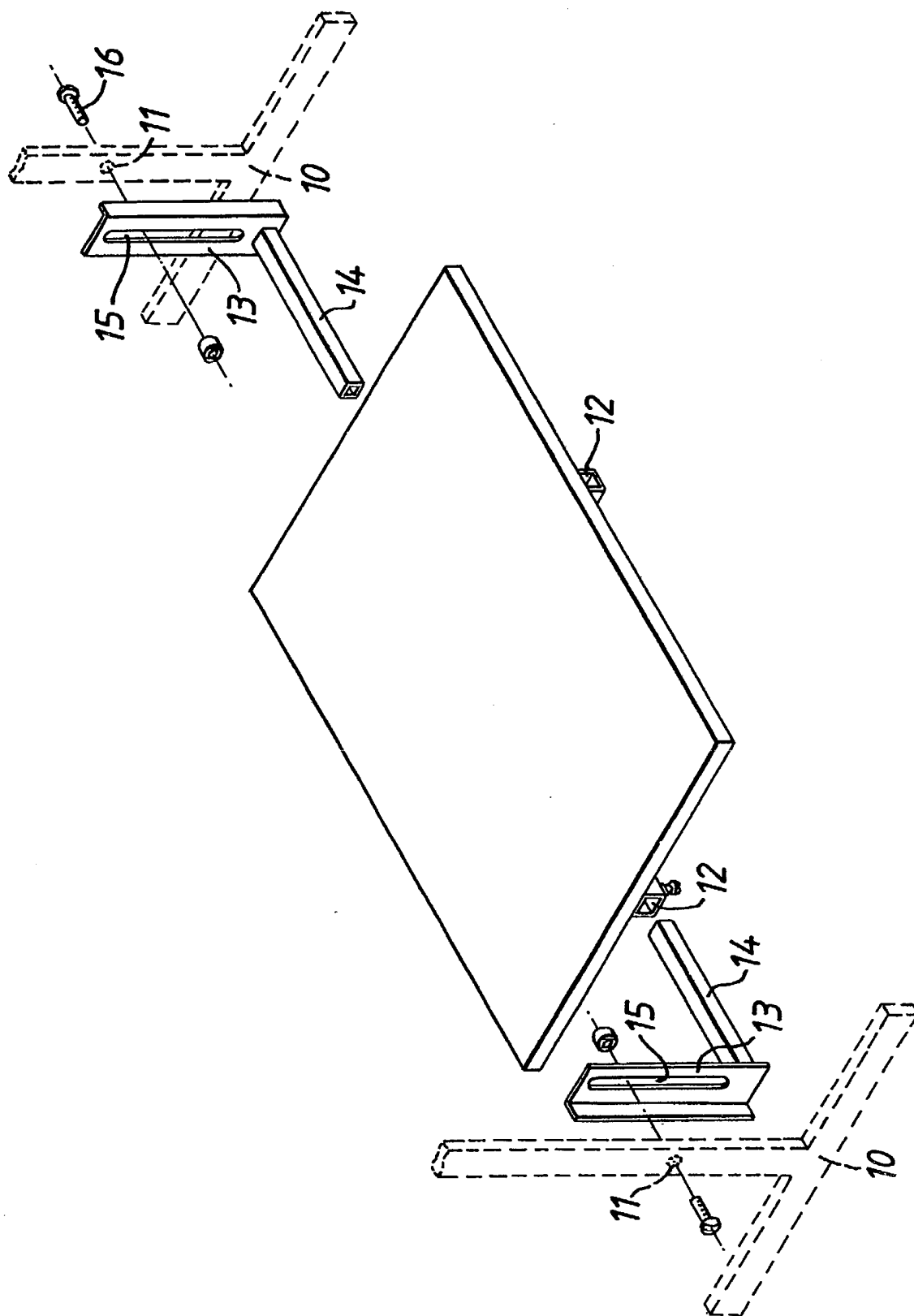
(57) The shelf unit is adapted to be secured to the legs 10 of a T.V. stand and comprises a shelf 1 having square section tubes 12 secured to the underside thereof.

L-shaped bracket 2,3 each have a slotted upright 13 for securing the bracket to the respective leg 20 and a square section horizontal element 14 slidable in the tube 12. The cross section of element 14 is such that it is slidable within the tube but prevents the tube and hence the shelf from pivoting relative to the supporting brackets.



The drawing(s) originally filed was/were informal and the print here reproduced is taken from a later filed formal copy.

GB 2 131 283 A



SPECIFICATION

An adjustable shelf unit

- 5 This invention relates to a shelf unit for attachment to substantially vertically disposed members in an adjustable manner.

The present invention is particularly concerned with the provision of a shelf suitable for a domestic video recorder intended to be used in conjunction with a television set. Television sets are some times located on shelves or in fitted units or on table tops but are also frequently mounted on floor-standing trolleys which consist essentially of two substantially vertical members having means at their upper ends to have a television secured thereto and at their lower ends a base member which usually is supported on castors. The two vertical members are usually held a predetermined distance apart by a horizontal spacings bar secured to the two vertical members, typically by a screw arrangement.

Video recorders have recently become very popular and these must be located near the television for connection thereto. Usually, they are placed on the floor near the television but this arrangement has disadvantages, notably the difficulty in cleaning the floor satisfactorily and the ease with which foreign matter such as carpet fluff can enter the recorder mechanism. The present invention seeks to provide a solution to this problem which is readily adaptable for use with existing televisions and their supporting trolleys.

According to the present invention there is provided an adjustable shelf unit for attachment to two substantially vertical members, the unit including a shelf member, a pair of substantially L-shaped mounting brackets for supporting the shelf member, each bracket having an upright element adapted to be adjustably secured to a respective one of said vertical members and a horizontal element adapted to be axially slidable in a co-operating mating part on the shelf member but restrained against movement in other planes relative to said mating part so that when the mounting brackets are secured to the vertical members and engage in the shelf member the shelf member is positively located in a desired position.

Preferably, each horizontal element is of square or rectangular section and is axially slidable in, respectively, a square or rectangular section tube secured to the shelf member. In this way, the horizontal element is axially slidable in the tube but the relative shapes of the horizontal element and tube prevent the shelf member pivoting, about the axis of the tube for example.

A preferred embodiment of the present invention will now be described by way of example with reference to the accompanying informal drawing which shows an "exploded" perspective view of a shelf unit for a video recorder in accordance with the present invention.

The support in accordance with the invention is particularly but not exclusively intended for attachment to the legs of an existing television stand or trolley and the drawing shows such legs in dotted

outline as reference 10. Generally, the legs 10 are secured together by a tie rod or beam (not shown) to which each leg is secured by a screw passing through a hole 11 in the respective support leg.

70 The shelf member comprises a generally rectangular shelf 1 typically of veneered chip-board, which has secured to its under side, tubes of square or rectangular section 12. The tubes 12 are arranged to lie at right angles to each other substantially on the two mid axes of the shelf 1 (when viewed in plan).

75 Typically the tubes are formed of mild steel or aluminium but could be of plastics material. Alternatively the shelf unit may have suitable bores formed integrally in each of its sides faces.

80 The unit includes a pair of L-shaped side mounting brackets 2 and 3 which each consist of an upright element 13 and generally horizontal element 14. The upright elements 13 are L-shaped in cross section to provide a longer face and a shorter face. The horizontal element 14 extends from the longer of the two faces substantially at right angles thereto. The longer face has an elongate slot 15 through which a securing bolt 16 located in the hole 11 can pass to secure the bracket to the television support legs 10.

85 The elongate slot enables the position of the bracket and hence the shelf to be fixed at a desired height relative to the floor or television. The shorter side of the upright element 13 is designed to abut the leg 10 to prevent it twisting about the axis of the screw 16 for example. The fact that the horizontal elements 14 are slidable within the tubes 12 ensures that the shelf is readily adjustable to accommodate differing spacings between the legs 10, which depend upon the size of the television and mounting stand.

90 Locking screws 6 are provided to lock the mounting brackets to the shelf 1 to provide a rigid assembly. The shelf 1 is rectangular in plan and as shown its greater dimension extends between the two legs 10, but it will be appreciated that for a small television, the shelf can be turned through 90° so that the supporting brackets 2 and 3 can be located in the other tubes which lie on the centre line of the smaller dimension of the shelf. It will however be understood that only one tube need be provided if the shelf is specifically adapted for use with one particular size of trolley.

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CLAIMS (Filed on 24 Nov 1983)

- 115 1. An adjustable shelf unit for attachment to two laterally spaced substantially vertical members, the unit including a shelf member, and a pair of substantially L-shaped mounting brackets for supporting the shelf member, each bracket having an upright element adapted to be vertically adjustable secured to a respective one of said vertical members, and a horizontal element adapted to be axially slidable in a co-operating mating part of the shelf member but restrained against movement in other planes relative to said mating part so that when the mounting brackets are secured to the vertical members and engaged in the shelf member, the shelf member is positively located in a desired position.
- 120 2. A shelf unit according to claim 1 wherein each horizontal element is of square or rectangular sec-

tion and is axially slidable in, respectively, a square or rectangular section tube secured to the shelf member.

3. A shelf unit according to claim 1 or 2 wherein
5 each upright element has an elongate slot vertically disposed and through which a clamping bolt positionally fixed relative to the vertical member passes to enable the position of the upright element to be adjustable relative to the vertical member.
- 10 4. A shelf unit according to claim 1, 2 or 3 wherein the shelf member includes a further mating part operable with said L-shaped brackets normal to said co-operating mating part in the horizontal plane, so as to enable the shelf member to be
15 mounted selectively in a second position normal to said first mentioned position.
5. An adjustable shelf unit for attachment to two laterally spaced substantially vertical members substantially as described herein with reference to, and
20 as illustrated in the accompanying drawings.